



U.S. DEPARTMENT OF ENERGY

Paducah Gaseous Diffusion Plant Deactivation Task Order Task Order Implementation, Pre-Release Planning, and Facility Transfer

April 30, 2013



*E*_M *Environmental Management*

safety ♦ performance ♦ cleanup ♦ closure

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Task Order Purpose and Scope

- The Task Order focuses on the deactivation of the Paducah GDP facilities and preparing the facilities for future demolition.
- There are four (4) distinct periods associated with the execution of this Performance Work Statement (PWS), with the Project Support activities spanning all four periods.
 - ✓ Task Order Implementation Period (Period 1).
 - ✓ Pre-Release Planning and Facility Transfer Period (Period 2).
 - ✓ Facility Deactivation and Infrastructure Optimization Period (Period 3).
 - ✓ Post-GDP Shutdown Environmental Services Period (Period 4).
- Perform Deactivation, Decontamination and Demolition in accordance with Section C.1.5.3 as approved by the CO if/when funding becomes available.
- Assist in transfers/assignment of structures, property or buildings from the current tenants to new tenants for purposes of re-use or re-industrialization, as appropriate.

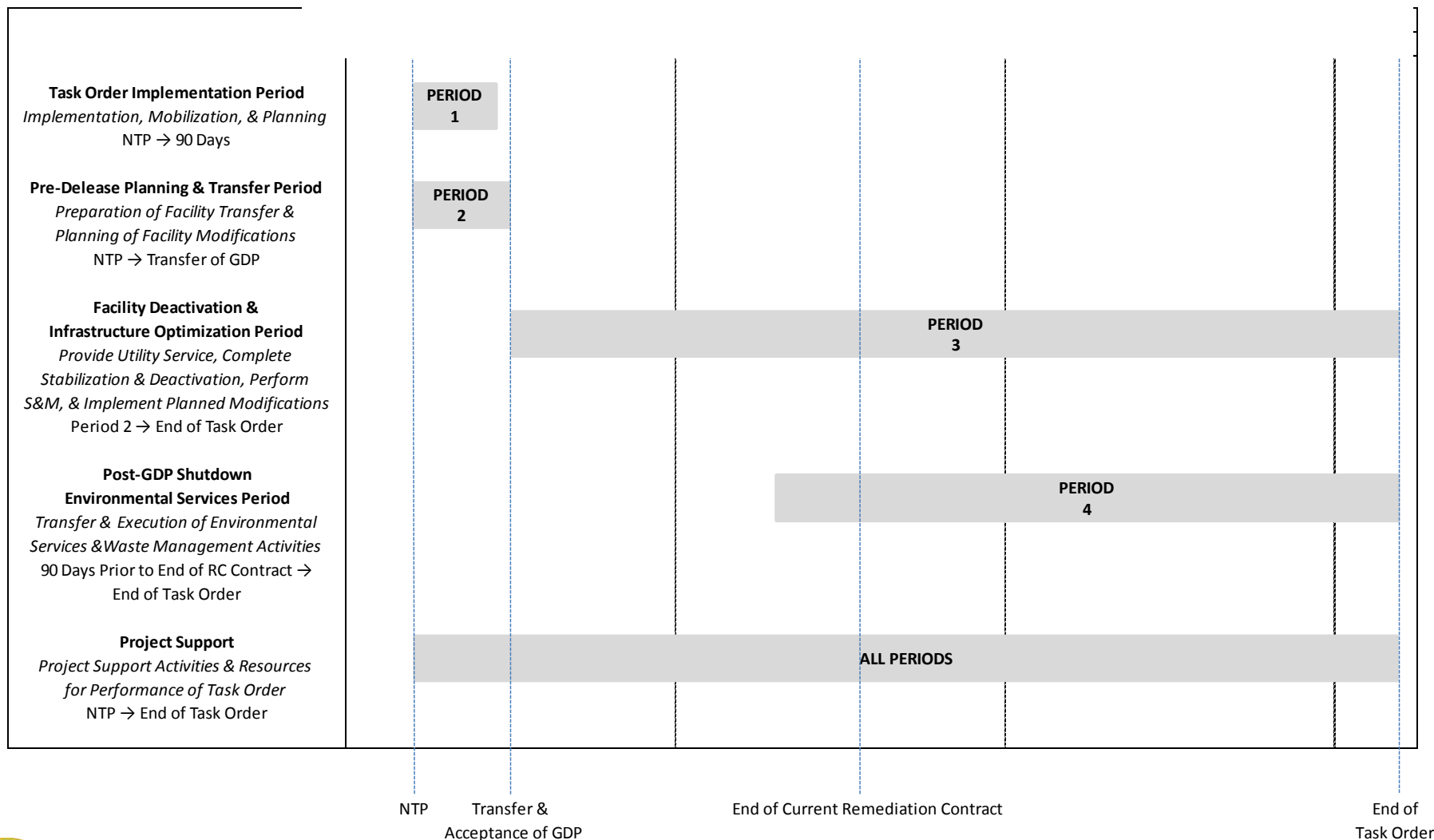


Task Order Summary

- Unrestricted IDIQ Task Order, Three Year Period of Performance
- PWS is divided into seven functional areas over four periods:
 1. Task Order Implementation (***Period 1***)
 2. Project Management (***All Periods***)
 - a. Pre-release planning and facility transfer (***Period 2***)
 3. Facility Deactivation & Infrastructure Optimization (***Period 3***)
 4. Surveillance & Maintenance and Utility Operations (***Period 3***)
 5. Deactivation, Decontamination & Demolition (***Period 3***)
 6. On-Site Waste Disposal Facility (***Period 4***)
 7. Post-GDP Shutdown Environmental Services (***Period 4***)



Task Order Timeline



Task Order Implementation - C.1.1

(Period 1)

- Task Order Implementation commences immediately after notice to proceed (NTP).
- Within 24 hours following NTP, release website with a brief Executive Summary of the offer.
- Mobilize management team to the site within 30 days after NTP.
- Establish business/human resources office, and perform planning, training within 30 days after NTP.
- Complete required Task Order submittals per Task Order schedule (examples below)
 - ✓ Task Order Implementation Plan
 - ✓ Interim Performance Baseline
- Submit Weekly Implementation Status Reports.
- Hold routine status meetings with DOE and affected contractors.



Project Management - C.1.2

(All Periods)

➤ **Pre-Release Planning & Facility Transfer**

- Facility Walkdowns
- Develop NCS and Facility Characterization Programs
- Develop Procedures and Work Planning & Control Process

➤ **Project Support**

- Project Planning, Integration & Interface
- Project Management System
- Environment, Safety, Health, & Quality
- Regulatory Compliance
- Sampling & Data Management
- Continuity Programs
- Environmental Monitoring & Reporting
- Safeguards & Security
- Records Management & Document Control
- Public Affairs & Program Management Support
- Real & Personal Property Management
- Computing & Telecommunications
- Energy Efficiency
- DOE Consolidated Audit Program (DOECAP)
- Asset Recovery & Recycling



Pre-Release Planning and Facility Transfer

C.1.2.1 (Period 2)

- The Pre-Release Planning and Facility Transfer period commences immediately after NTP (simultaneously with Period 1).
- Includes successful transfer and acceptance of the GDP facilities from USEC to DOE.
- Support of DOE activities of termination of USEC's NRC license.
- Complete all actions specified in the PWS that pertain to preparing for facility transfer of the GDP from USEC to DOE (examples).
 - ✓ Field walk downs
 - ✓ Validation of lease turnover requirements, including deposit removal requirements
 - ✓ Development and management of all required programmatic documents
 - ✓ Environmental permits
 - ✓ Authorization bases
 - ✓ Procedures and complete all engineering
 - ✓ Planning and procurement actions necessary to maximize implementation of facility modifications.



Pre-Release Planning and Facility Transfer

C.1.2.1 (Period 2) – Facility Walkdowns

- Develop a Facility Transfer Plan identifying facility/system–specific transfer requirements checklists and assessments of facility transfer and acceptance readiness - checklists shall serve as the basis by which to document:
 - ✓ The safety and regulatory status of the facilities
 - ✓ Whose action it will be to bring the facilities into compliance prior to facility transfer
 - ✓ Actual conditions of the facilities prior to turnover
- Evaluate facility and system operational histories.
- Document compliance status of waste storage areas and tanks.
- Review facility records (e.g. environmental data, NDA data, structural drawings, operating records, etc.).
- Conduct interviews.
- Perform/document facility walkdowns.



Pre-Release Planning and Facility Transfer

C.1.2.1 (Period 2) – Facility Walkdowns (Cont.)

- Walkdowns may be performed in conjunction with USEC and may also serve as the basis for determining what items USEC is responsible for dispositioning as waste and which items are personalty that USEC is entitled to leave behind.
- Any safety and health or environmental non-compliance identified post-GDP turnover are the responsibility of the Contractor.



Pre-Release Planning and Facility Transfer

C.1.2.1 (Period 2) – Nuclear Safety Program

- Complete and document a review of the USEC Nuclear Criticality Safety Evaluations and other relevant documents as part of the facility walkdowns and preparation for facility release to determine if the methods and characterization requirements related to radioactive and chemical materials remaining within the process equipment support the turnover requirements in the GDP Lease.
- Support DOE in identifying whether the characterization data provided by USEC is in compliance with the Lease so DOE can determine its sufficiency.
- Prepare and submit a GAP Analysis report (if DOE determined data is not sufficient) with associated recommendations.



Pre-Release Planning and Facility Transfer

C.1.2.1 (Period 2) – Facility Characterization Program

- Develop Data Quality Objectives (DQO) that supports the transfer and deactivation of facilities.
- Consider different assumptions associated with varying usage and upgrades of equipment within the cascade and vary based on the type of contamination (i.e., Technetium-99, fissile, uranium, and other contaminants).
- Consider different scenarios for holdup locations by main process building (i.e. C-331, C-333, C-335, C-337, C-310, and C-315) or other appropriate grouping.
- Optimize and limit the characterization requirements with respect to cost of characterization to that necessary to support placing the GDP facilities into safe, compliant, long-term S&M.
- Develop a characterization schedule to include development of characterization plans and associated characterization events, sequenced appropriately to build on information as it's collected.
- Develop and/or modify existing Non-Destructive Assay (NDA) Program/Procedures to comply with DOE O 414D QSNDA.



Pre-Release Planning and Facility Transfer

C.1.2.1 (Period 2) – Procedures/Work Planning & Control

- Review available USEC procedures, program and performance documents, and accept, modify, or develop, as necessary, for compliance performance per DOE Order requirements and all applicable laws and regulations.
- Develop and implement a work planning and control process in accordance with DOE O 412.1A, Work Authorization System, for Task Order activities in support of acceptance of the GDP facility.
- Eliminate all bluesheeted procedures and performance documents and implement procedures and performance document in compliance with DOE Orders (Schedule to be agreed on by DOE).



Project Support

C.1.2 (All Periods)

- Includes all project support activities, program management, and resources necessary during the entire period of performance of this Task Order.
- The Contractor support resources are included in this PWS activities, examples are: (See Slide 7)
 - Program Manager and Project Management Team
 - Quality Assurance Management
 - Human Resources
 - Project Controls
 - Nuclear Safety Management
- Planning and integration of project activities, including but not limited to:
 - Manage Shared Site Process
 - Establish, appropriately document, and manage interfaces (according with Government Furnished Services and Interface Requirements.
 - Support the transfer or leasing of land, facilities, and other assets from DOE to other parties.



Project Support Examples

C.1.2 (All Periods)

- Provide DOE with support of interaction with regulators, the development and implementation of regulatory strategies.
- Develop and maintain a project management work control system.
- Operate a Safety and Health (ES&H) program as an integral, but visible, part of how the Contractor conducts business.
- Establish a training program for implementation of a compliant program in accordance with DOE Order 426.2.
- Complete a comprehensive environmental compliance due diligence review 45 days prior to expiration of the Remediation Contract to identify noncompliances.
- Manage the Site-wide Integrated Lock & Tag Program and ensure lock-out/tag-out is properly coordinated with other site contractors.
- Develop and implement an ISMS Program that complies with the Section I Clause DEAR 970.5223-1, Integration of Environment, Safety, and Health into Work Planning and Execution, DOE O 450.2 and DOE O 436.1.



Project Support Examples (Cont.)

C.1.2 (All Periods)

- Pursue available exemptions which may reduce taxes, public information, and human resource management commensurate to support this scope of work.
- Support DOE in responding to Congressional, regulatory and other requests for documents and information; examples of such include:
 - Freedom of Information Act requests
 - Privacy Act requests
 - Litigation document requests served upon DOE and its current and former prime contractors
- Prepare highest professional quality briefings, public presentations, and search, review, and reproduction of documents.
- Gather the minimum required FIMS data for facilities returned (transferred) from USEC ensuring FIMS data is accurate and up to date throughout Task Order.

